(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 November 2003 (06.11.2003)

PCT

(10) International Publication Number WO 03/091868 A1

(51) International Patent Classification7:

G06F 3/033

- (21) International Application Number: PCT/KR03/00816
- (22) International Filing Date: 22 April 2003 (22.04.2003)
- (25) Filing Language:

Korean

(26) Publication Language:

English

- (30) Priority Data: 10-2002-0022778 25 April 2002 (25.04.2002) KR
- (71) Applicants and
- (72) Inventors: MOON, Young-Chan [KR/KR]; 36-1205, Hanyang Apt., Apkujeong-dong, Kangnam-ku, 135-794 Seoul (KR). YU, Yang-Keun [US/US]; 490 Goodman Road, Pacifica, CA 94044 (US).
- (74) Agent: KOREANA PATENT FIRM; 824-19, Yoksamdong, Kangnam-ku, Seoul 135-080 (KR).

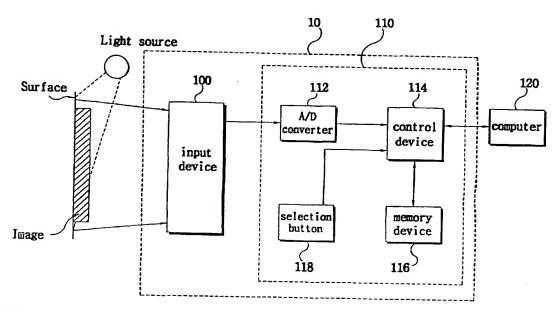
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR IMPLEMENTING MOUSE FUNCTION AND SCANNER FUNCTION ALTER-NATIVELY



(57) Abstract: The X, Y axes transition of position of apparatus according to the present invention is detected by employing portion of section of image input device, information concerning said detected X, Y axes transition of position is forwarded to a computer, and thus the apparatus of the present invention can be operated by a mouse. Also, image detected together with the information concerning X, Y axes transition of position of the apparatus is delivered to a computer or other device so that the apparatus of the present invention can be operated as a scanner, and the shaking of image can be adjusted or compensated. Accordingly, an apparatus for implementing mouse function and scanner function alternatively is provided.

3/091868 A1